

**CONFIDENTIAL**

Release Date 5-10-76

*P.W.*

Webb Resources, Inc. #6-1 NE/SE  
Sec 6, T14N, R22E *NMAL* Permit #658

COUNTY Navajo AREA \_\_\_\_\_ LEASE NO. New Mexico-AZ Land Co.

WELL NAME Webb Resources, Inc. 6-1 New Mexico-Arizona Land Company Well

LOCATION NE/SE SEC 6 TWP 14N RANGE 22E FOOTAGE 1785' FSL 1127' FEL\*  
ELEV 5507' GR \_\_\_\_\_ KB SPUD DATE 3-23-76 STATUS DEA TOTAL  
COMP. DATE 10-5-76 DEPTH 3625

CONTRACTOR

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY
<u>7"</u>	<u>472</u>	<u>1885K1</u>		<input checked="" type="checkbox"/>
				DRILLED BY CABLE TOOL _____
				PRODUCTIVE RESERVOIR <u>NA</u>
				INITIAL PRODUCTION <u>NA</u>

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
<u>COCOA</u>	<u>8'</u>	<input checked="" type="checkbox"/>		<u>SEE Geological Report</u>
<u>Supai</u>	<u>4104</u>	<input checked="" type="checkbox"/>		
<u>NaCo</u>	<u>3012</u>	<input checked="" type="checkbox"/>		
<u>Redwall</u>	<u>3510</u>	<input checked="" type="checkbox"/>		
<u>Pre-Cambrian</u>	<u>3562</u>	<input checked="" type="checkbox"/>		

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG
<u>Dual laterolog</u>			SAMPLE DESCRP. <input checked="" type="checkbox"/>
<u>Acoustilog</u>			SAMPLE NO. <u>1763</u>
<u>Amstrat</u>			CORE ANALYSIS _____
<u>Mud log</u>			DSTs <u>2</u>

REMARKS additional 6 months confidentiality granted 4-22-76 APP. TO PLUG ☒  
\*NOTE: ORIGINAL FOOTAGE 2050' FSL & 975' FEL - changed to above PLUGGING REP. ☒  
COMP. REPORT ☒

WATER WELL ACCEPTED BY \_\_\_\_\_

BOND CO. USF&G BOND NO. 19-0130-2102-75  
DATE \_\_\_\_\_ ORGANIZATION REPORT ☒  
BOND AMT. \$ 25,000 CANCELLED \_\_\_\_\_  
FILING RECEIPT 0628 LOC. PLAT ☒ WELL BOOK ☒ PLAT BOOK ☒  
API NO. 02-017-20015 DATE ISSUED 3-24-76 DEDICATION N/2 SE/4

PERMIT NUMBER 658 **CONFIDENTIAL**  
Release Date 5-10-76  
(over)

## DRILL STEM TEST

NO.	FROM	TO	RESULTS
4-10-76	3568'	WO test tool.	Ran DST #1 (3510-68') misrun
4-11-76	3568'	Trip.	Ran DST #2 (3497-3568') op 15 min, si 60 min/op 60 min/si 90 min/ REC: 270' mud, 450' WCM, Sampler: 2100 cc water (no shows) HP: 1994-1994#, 1st FP: 28-142#, 2nd FP: 157-400#, SIP: 1538-1538#

CORE RECORD				
NO.	FROM	TO	RECOVERY	REMARKS
				No Cores

## REMEDIAL HISTORY

DATE STARTED - COMPLETED		WORK PERFORMED	NEW PERFORATIONS

### ADDITIONAL INFORMATION

[illegible]

# WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

DESIGNATE TYPE OF COMPLETION:

New Well ☐ Work-Over ☐ Deepen ☐ Plug Back ☐ Same Reservoir ☐ Different Reservoir ☐ Oil ☐ Gas ☐ Dry ☒

## DESCRIPTION OF WELL AND LEASE

Operator: Webb Resources, Inc. Address: 2200 First of Denver Plaza, Denver, Colorado 80202  
Federal, State or Indian Lease Number or name of lessor if fee lease: New-Mexico-Arizona Land Company Well Number: #6-1 Field & Reservoir: Wildcat  
Location: 1785' FSL & 1127' FEL (NE SE ) County: Navajo Co.,  
Sec. TWP-Range or Block & Survey: Sec. 6-14N-22E

Date spudded: 3-23-76 Date total depth reached: 4-12-76 Date completed, ~~W&A~~ PERM: PSA 4-12-76 Elevation (DF, RKB, RT or Gr.) feet: 5507' GL Elevation of casing hd. Range feet: ---  
Total depth: 3625' P.B.T.D.: na Single, dual or triple completion?: na If this is a dual or triple completion, furnish separate report for each completion.  
Producing interval (s) for this completion: na Rotary tools used (interval): 0-3625' Cable tools used (interval): none  
Was this well directionally drilled?: no Was directional survey made?: no Was copy of directional survey filed?: no Date filed: ---  
Type of electrical or other logs run (check logs filed with the commission): Mud Log: Surf-TD, Dual LL: 472-3630'; Acoustilog: 22-3622' Date filed: 4-12-76

## CASING RECORD

Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.)

Purpose	Size hole drilled	Size casing set	Weight (lb./ft.)	Depth set	Sacks cement	Amt. pulled
surf.	9-7/8"	7"	20#	472'	188 sxs	none

## TUBING RECORD

## LINER RECORD

Size in.	Depth set ft.	Packer set at ft.	Size in.	Top ft.	Bottom ft.	Sacks cement	Screen (ft.)
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## PERFORATION RECORD

## ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth Interval	Amt. & kind of material used	Depth Interval
		PLUGS:	25 sxs	3570-3440
		PLUGS:	25 sxs	500- 360

## INITIAL PRODUCTION 5 SXS surface

Date of first production: Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump:)

Date of test	Hrs. tested	Choke size	Oil prod. during test bbls.	Gas prod. during test MCF	Water prod. during test bbls.	Oil gravity ° API (Corr)

Disposition of gas (state whether vented, used for fuel or sold):

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Exploration Manager of the Webb Resources, Inc. (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Date: October 5, 1976 Signature: William A. Falconer

Permit No. 458

STATE OF ARIZONA  
OIL & GAS CONSERVATION COMMISSION  
Well Completion or Recompletion Report and Well Log  
Form No. 4 File One Copy

# DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
SUPAI TRANS.	365'		
SUPAI	465'		
1st Anhydrite	533'		
1st Halite	616'		
1st Carbonate	1040'		
FORT APACHE	1550'?		
NACO	3012'		
REDWALL	3488'		
GRANITE	3549'		
TD (logger)	3631'		

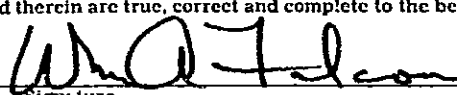
\* Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

## INSTRUCTIONS:

Attach driller's log or other acceptable log of well.

This Well Completion or Recompletion report and well log shall be filed with the State of Arizona Oil and Gas Conservation Commission not later than thirty days after project completion.

Form No. 4

PLUGGING RECORD					
Operator <b>Webb Resources, Inc.</b>		Address <b>Denver, Colorado 80202</b> <b>2200 First of Denver Plaza</b>			
Federal, State, or Indian Lease Number, or lessor's name if fee lease. <b>NMAL</b>		Well No. <b>6-1</b>	Field & Reservoir <b>Wildcat</b>		
Location of Well <b>NE SE Sec. 6-14N-22E (1785' FSL &amp; 1127' FEL)</b>		Sec-Twp-Rge or Block & Survey		County <b>Navajo</b>	
Application to drill this well was filed in name of <b>Webb Resources, Inc.</b>		Has this well ever produced oil or gas <b>no</b>	Character of well at completion (initial production): Oil (bbls/day)      Gas (MCF/day)		Dry? <b>yes</b>
Date plugged: <b>March 13, 1976</b>		Total depth <b>3625'</b>	Amount well producing when plugged: Oil (bbls/day)      Gas (MCF/day)		Water (bbls/day) <b>none</b>
Name of each formation containing oil or gas. Indicate which formation open to well-bore at time of plugging	Fluid content of each formation	Depth interval of each formation		Size, kind & depth of plugs used. Indicate zones squeeze cemented, giving amount cement	
<b>none</b>	<b>water</b>	<b>3570-3440</b>		<b>25 sxs</b>	
		<b>500- 360</b>		<b>25 sxs</b>	
		<b>surface</b>		<b>5 sxs</b>	
CASING RECORD					
Size pipe	Put in well (ft.)	Pulled out (ft.)	Left in well (ft.)	Give depth and method of parting casing (shot, ripped, etc.)	Packers and shoes
<b>7"</b>	<b>463.21</b>	<b>none</b>	<b>463.21</b>	<b>na</b>	<b>na</b>
Was well filled with mud-laden fluid, according to regulations? <b>yes</b>			Indicate deepest formation containing fresh water.		
NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE					
Name		Address		Direction from this well:	
<b>New Mexico-Arizona Land</b>		<b>4350 East Camelback Road</b>			
<b>Company</b>		<b>Phoenix, Arizona 85108</b>			
In addition to other information required on this form, if this well was plugged back for use as a fresh water well, give all pertinent details of plugging operations to base of fresh water sand, perforated interval to fresh water sand, name and address of surface owner, and attach letter from surface owner authorizing completion of this well as a water well and agreeing to assume full liability for any subsequent plugging which might be required.					
Use reverse side for additional detail.					
CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the <u>Chief Geologist</u> of the <u>Webb Resources, Inc.</u> (company) and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.					
Date <b>April 2, 1976</b>		Signature 			
Permit No. <b>658</b>		STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Plugging Record File One Copy Form No. 10			

# APPLICATION TO ABANDON AND PLUG

FIELD Wildcat Denver, Colorado 80202  
 OPERATOR Webb Resources, Inc. ADDRESS 2200 First of Denver Plaza  
 Federal, State, or Indian Lease Number \_\_\_\_\_ NMAL \_\_\_\_\_ WELL NO. 6-1  
 or Lessor's Name if Fee Lease \_\_\_\_\_  
 LOCATION NE SE Sec. 6-14N-22E (1785' FSL & 1127' FEL)  
Navajo County, Arizona  
 TYPE OF WELL DRY TOTAL DEPTH 3625'  
 (Oil, Gas or Dry Hole)  
 ALLOWABLE (If Assigned) \_\_\_\_\_  
 LAST PRODUCTION TEST OIL \_\_\_\_\_ (Bbls.) WATER \_\_\_\_\_ (Bbls.)  
 GAS \_\_\_\_\_ (MCF) DATE OF TEST \_\_\_\_\_  
 PRODUCING HORIZON \_\_\_\_\_ PRODUCING FROM \_\_\_\_\_ TO \_\_\_\_\_

## 1. COMPLETE CASING RECORD.

Ran 17 joints 7" casing (463'.21') cemented @ 472' KB w/ 188 sxs regular class "B"  
 w/3% cc. Plug down at 12:45 P.M. 3-26-76

## 2. FULL DETAILS OF PROPOSED PLAN OF WORK

Plugs as follow: #1 3570-3440' (25 sxs)  
 #2 500-360' (25 sxs)  
 #3 surface ( 5 sxs)

DATE COMMENCING OPERATIONS March 13, 1976 at 9:30 P.M.  
 NAME OF PERSON DOING WORK Halliburton ADDRESS \_\_\_\_\_  
 Signature [Signature]  
 Title Chief Geologist  
 Address 2200 First of Denver Plaza Denver, Colorado 80202  
 Date March 13, 1976

Date Approved 6-20-76  
 STATE OF ARIZONA  
 OIL & GAS CONSERVATION COMMISSION  
 By: [Signature]

Permit No. 658

STATE OF ARIZONA  
 OIL & GAS CONSERVATION COMMISSION  
 Application to Abandon and Plug  
 File Two Copies  
 Form No. 9

Memo to File

From W. E. Allen

On July 6 & 7, 1976 the following locations were inspected and found to be in the condition as noted below.

NMAL #25-1, Permit #656: Trash all over location.

State #36-1 Permit #657; O. K.

NMAL #8-1 Permit #659 O. K.

Rocking Chair Ranch #29-1 Permit #660: Pit mud piled on mud pit approximately 2' above ground level. Mud still wet constituting a hazard to humans and livestock.

Mr. Elkins, the rancher was pretty unhappy about this location. He also complained about damage that had been done to his cattle-guards on roads leading to this location and the 8-1 location.

NMAL #6-1 Permit #658 O. K.

NMAL #30-1 Permit #655, gate locked, unable to reach location.

Mr. Warren Carr, representing Webb Resources was contacted and advised of the above conditions. Carr was to contact Webb in Denver for authority to correct the above conditions and bring the locations into compliance with our recommendations.



RECEIVED

DEC 6 1976

O & G CONS. COMM.

GEOLOGICAL REPORT

Webb Resources No. 6-1 New Mexico & Arizona Land Company  
NE SE Section 6-T14N-R22E  
Navajo County, Arizona

May, 1976

Prepared by: Warren E. Carr, Geologist  
P. O. Box 32436  
Oklahoma City, OK 73132

658

#### DRILLING SUMMARY

Location: 1785' FSL, 1127' FEL Section 6-T14N-R22E,  
Navajo County, Arizona

Elevation: 5507' Ground      Total Depth: 3625' Driller  
5514' KB                      3631' Logger

All Measurements from Kelly Bushing

Spud: 3-23-76

Complete: 4-13-76 Plugged and Abandoned

Drillstem Tests: No. 1. No test, packer failed

No. 2. 3496'-3567' open 15 minutes, weak blow  
increasing to good, shut-in 60 minutes, open 60  
minutes, weak blow increasing to good, shut-in  
90 minutes.

Recovered: 270' Drilling Mud, 450' water cut  
mud, no shows

IHP	1949 PSI	FHP	1949 PSI
ISI	1538 PSI	FSI	1538 PSI
IFP	28 PSI	FFP	400 PSI

Cores: None

Logs: Mud Log surface to Total Depth; Dresser Atlas Dual  
Laterlog 472-3630' Acoustilog 22-3622'

#### Sample/Gas Detector Shows:

900-1000; very slight indication of hydrocarbon gas  
1862 ; very slight indication of hydrocarbon gas  
3274 ; very slight indication of hydrocarbon gas  
3516-3538; 2 units hydrocarbon gas, trace porosity, covered by DST #2

#### Lost Circulation Zones

2193'; Lower Supai, regained circulation after 9 hours, 45 minutes  
including trip for plugged bit, wash & ream to bottom,  
approx. two hours.

2411'; Lower Supai, regained after 1 hour

2739'; Lower Supai, regained after 2 hours, 25 minutes

3075'; Naco?, regained after 1 hour

3328'; Naco, regained after approx. 13 hours

3331'; " regained after approx. 13 hours

#### Lost Time, Hole Problems:

Tooth bits sometimes became out-of-gauge, resulting in need for  
reaming.

Formation Tops:

	<u>Sample/Drlg Time</u>	<u>E-Log</u>	<u>Datum</u>
Triassic			
Moenkopi Surface			+5514
Permian			
Coconino Sandstone	8'		+5506
Supai Transition	390'	365'	+5149
Supai	464'	465'	+5050
1st Anhydrite	540'	533'	+4981
1st Halite	1412'*	616'	+4898
1st Carbonates	1090'	1040'	+4474
Ft. Apache	1550'?	1550'?	+3964
Pennsylvanian			
Naco	3012'	3012'	+2502
Mississippian			
Redwall	3510'	3488'	+2026
Pre-Cambrian			
Granite	3562'	3549'	+1965
Total Depth	3625'	3631'	+1883

\*the evaporite section was entered with fresh water, consequently no halite was seen in samples until the system became saturated.

Hole Design: 9-7/8" hole to 475'; set 7" casing @ 472' with 188 sx cement (regular Class "B" w/3% cc.) (463.21', 15 jts used casing)  
Drilled 6 1/4" hole to Total Depth

Drilling Time: See mud log

Sample Description, Bit Record, Mud Record: See Appendix

GEOLOGY

Structure

Datum on top of Coconino Sandstone conforms with pre-existent mapping of surface control, supporting presence of an anticlinal nose which plunges E-NE through the area. This is a transverse feature to the predominating structural element. The Holbrook Arch, trending NW-SE Supai thickness was found to be near predicted interval, but pronounced thinning was encountered in older Paleozoics. Anticipated thickness of Mississippian-Devonian was 425 feet, yet only 52 feet of sediments can be assigned to these systems. It is believed the strong gravity and magnetometer anomalies in this area are indicative of local elevation of basement surface, with attendant draping of sediments over a granite "high". Character of Naco, discussed in the Stratigraphy section below, provides some possibility of stratigraphic traps further down the flanks of the restricted feature.

## Stratigraphy

### Triassic

Moenkopi: A thin veneer of Moenkopi red shale and siltstone is preserved at the subject drillsite, though within a few hundred feet of the location Coconino Sandstone comprises surface. Because of hardness of consolidated sediments near surface some difficulty was experienced in drilling rat hole and upper part of the 9 7/8" hole. Construction of drillsite was not exceptionally time-consuming and location costs were not excessive. As stated above, surface constituents are relatively soft, silty claystones weathering to unconsolidated reddish soil. Topographic expression is minimal with less than 50 feet of relief extending over widespread area. A striking exception is Silver Creek Canyon lying about one mile west of the subject location, where Coconino is incised to a depth of 300'+. Width of the canyon is ordinarily less than 500 feet, resulting in a spectacular contrast to surrounding countryside.

### Permian

Coconino Sandstone: This laterally extensive unit of clean, mostly light colored fine-grained sandstone conforms to expected thickness and composition for the area. Though not established by testing, fresh water table is several (hundred?) feet below top of the formation and Coconino water was circulated in some instances following lost returns. Nearby water wells are produced from the lower part of Coconino and water table should be near elevations in the bottom of Silver Creek Canyon. Coconino is white to tan to reddish sandstone, predominately very fine grained and well cemented with white secondary clays, derived from eolian processes. There is much cross stratification yet with few constituents other than quartz and secondary clay cement. Though water saturation is probably low in the upper part of Coconino it is believed that void space would not contain helium gas.

Supai Formation: A "normal" Supai section was penetrated, comprised of reddish evaporites and lesser though significant carbonates. Carbonate beds, usually dolomitic, often exhibit porosity in samples as well as on acoustic log. However, no positive shows of hydrocarbons were observed and testing was not attempted. Clastics are very fine grained with no indication of reservoir conditions. Principal zones of interest, relating samples to mechanical logs are from 1092 to 1123, 1394 to 1415 and 1550 to 1608. Other dolomitic zones are present but evidently are not porous.

### Pennsylvanian

Naco Formation: Though Permian-Pennsylvanian contact is probably within overlying Supai, from a mapping standpoint most practical Pennsylvanian designation is the first encountered gray or brown limestone. This occurs at 3012 feet and to 3120 feet such limestone are interbedded with dark reddish brown to maroon or purple very calcareous claystones. From the lower depth to 3475' fine clastics

appear to have been deposited in a reducing environment strongly suggestive of conditions favoring generation of hydrocarbons. The writer's opinion is that considerable attention should be devoted to review of local structural and stratigraphic features, with an objective of developing additional drilling prospects in the area. Limestones of the Naco Formation are mostly light colored though in part argillaceous and show only very low order porosity on electrical logs. No porosity was seen in samples. The interval from 3464 to 3488 could be equivalent to the Molas Formation of the Four Corners area.

Mississippian-Devonian: Sediments from 3488 to top of Pre-Cambrian most likely are older than Pennsylvanian, yet show little resemblance to outcrops or well sections of Redwall and Martin Formation. Because of limestone in samples from 3488 to 3519' it is suspected that this interval is Redwall though there is considerable interbedded shale. Dolomite from 3519 to 3549 contains much medium to large grained, rounded imbedded quartz, and some green waxy shale. Particularly because of the green shale it is believed that this part of the section is Devonian.

Pre-Cambrian: Cambrian sediments are probably absent and Devonian rests on slightly weathered Pre-Cambrian granite. Igneous rock is pink to red with dark (black-green) mica resembling that found in the Nos. 25-1 and 36-1 NMAL tests. It is strikingly different from the gray-black granitic rock observed in the No. 30-1 NMALC.

#### CONCLUSIONS

- 1). Drillsite is evidently located on a somewhat localized Pre-Cambrian "high" which pre-existed Paleozoic sedimentation. Structural movement following first deposition is obscure excepting regional uplift during Laramide orogeny.
- 2). Results of this test strongly support gravity and magnetometer surveys (interpretations) in both local and regional application.
- 3). Perhaps most significant is the nature of Naco sediments found in this test. A continuous section of interbedded carbonates and dark shales over a substantial interval encourages further geological study in the area.
- 4). Samples, electrical logs and drillstem tests indicate presence of reservoir conditions in the Mississippian-Devonian section. While apparently on structure, closure could be lacking at the #6-1 location.
- 5). Though to a lesser degree than the No. 30-1 NMALC, carbonates in the Supai exhibit potential for reservoir development.

*Warren E. Carr*  
Warren E. Carr, Geologist  
July, 1976

Webb Resources No. 6-1 New Mexico & Arizona Land Company  
NE SE Section 6-T14N-R22E  
Navajo County, Arizona

SAMPLE DESCRIPTION

0-10 lt, R-B sty clystn, occ mic, tr wh VFG-FG ss, top/Pco 8'  
below surface (15') KB)  
10-20 poor returns, ss wh VFG-FG, clean, fri  
20-30 ss AA & uncon sd, clear-milky-tan, gyp common  
30-40 AA, few med dark xls-garnet?  
40-50 ss wh pred VFG, sm uncon sd, tr gyp  
50-60 same  
60-70 pred wh uncon sand, VFG, gyp common, sm tan clayey sts  
70-80 same  
80-90 same  
90-00 same  
100-10 ss wh VFG, sm uncon sd, gyp common, sm tan clayey sts  
10-20 pred uncon ds AA, incr tan clayey sts, tr gyp  
20-30 AA, decr tan sts, tr gyp  
30-40 same  
40-50 same  
50-60 AA, rare tan sts, rare gyp  
60-70 same  
70-80 AA incr tan clayey sts, tr gyp  
80-90 AA, sli incr grain size  
90-00 same  
200-10 same  
10-20 same  
20-30 same  
30-40 sand, wh-clr, uncon, VFG, rare tan grains, rare gyp  
40-50 same  
50-60 same  
60-70 same  
70-80 AA, sli incr gyp  
80-90 same  
90-00 same  
300-10 same  
10-20 ss sh fri loosely consol & uncon sd AA  
20-30 same  
30-40 AA, incr concol, incr gyp  
40-50 same  
50-60 AA & sli darker (tan)  
60-70 same  
70-80 same  
80-90 AA incr gyp  
90-00 ss, wh-buff R-B in part clayey, mic, tr gyp  
400-10 AA, & clystn dk R-B sty, occ sdy (30)  
10-20 sd - sts uncon, tan - lt R-B VVFG  
20-30 ss sts lt R-B sm R-B cly cem, rare gyp  
30-40 same  
40-50 same  
50-60 AA, sli lighter in color

60-70 AA, darker incr clay content  
 70-80 clystn lt-med R-B, in pt v sty, occ sdy, sli mic  
 80-90 AA, tr lt gnish gy sdy clystn, rare hematite partings  
 90-00 same  
 500-30 AA, clystn decr sty  
 30-60 anh, wh-lt gy VFG, sm gypsum  
 60-90 anh AA, incr gyp  
 90-20 anh-gyp AA & clystn med occ dark R-B sty w/gyp inclcs 50-50  
 620-50 anh-gyp (70) clystn AA (30)  
 50-80 same  
 80-10 AA, tr halite  
 710-40 AA, no vis halite  
 40-70 clystn AA, incr sty, tr anh-gyp  
 70-00 same  
 800-30 clystn AA & anh (20)  
 30-60 clystn AA, tr anh  
 60-90 clystn AA & anh-gyp (30)  
 90-20 clystn AA & anh - gyp (70)  
 920-50 clystn AA & anh - gyp (40)  
 50-80 clystn AA, tr anh & gyp  
 80-10 AA, tr halite  
 1010-40 same  
 40-70 same  
 70-00 same  
 1100-30 clystn pred med-R-B in pt v sty, sm mic, anh wh-lt gy VFX (30)  
 dol lt br suc w/tr poro (10) tr lt gy clyey sts, tr halite  
 30-60 clystn AA (60), anh AA w/consid gyp (40)  
 60-90 same  
 90-20 clystn AA (20) anh-gyp AA (30) dol lt-med bn, FX in pt argil,  
 tr IX poro (50)  
 1220-30 AA, incr dol (70) tr PP & IX poro  
 30-40 same  
 40-50 clystn AA (25) anh-gyp AA (25) dol AA (50) tr poro  
 50-60 clystn AA (70) anh-gyp AA (20) dol AA (10) no vis poro, tr halite  
 60-70 same  
 70-80 AA, incr anh (30) tr halite  
 90-00 same  
 1300-10 same  
 10-20 same  
 20-30 same  
 30-40 same  
 40-50 same  
 50-60 clystn, lt-med dk R-B mic, occ sty w/inclcs gyp  
 1360-70 AA incr gyp inclcs  
 70-80 clystn AA & gyp anh (20)  
 80-90 same  
 90-00 AA, decr gyp-anh (10) tr brn FX dol  
 1400-10 same  
 10-20 clystn AA (70) gyp-anh (20) dol br FX argil (10) tr poro  
 20-30 same  
 30-40 clystn AA (90) gyp anh (10) tr dol AA, tr halite  
 40-50 AA, incr halite  
 50-60 AA, abdt halite  
 60-70 AA, pred halite

1470-80 same  
 80-90 same  
 90-00 AA, tr lt bn FX dol w/tr poro  
 1500-10 same  
 10-20 AA, incr clystn (10) no vis dol  
 20-30 same  
 30-40 AA decr clystn (5)  
 40-50 AA, tr clystn  
 50-60 halite AA, tr clystn AA, lt R-B sts (25) tr lt gy shale  
 60-70 halite AA (50), clystn AA (10) sts AA (30), dol lt med bn  
 FX argil (10), gyp common  
 70-80 same  
 80-90 dol, med-dk gy, dnse VFX, v argil, clystn, halite, anh,  
 AA (30), abdt halite  
 90-00 dol AA w/incl intgrwths anh, halite common  
 1600-10 dol AA (60), clystn med R-B sty (20) anh & gyp (20)  
 halite common  
 10-20 same  
 20-30 dol AA (70) clystn AA (20) anh-gyp (10), halite common  
 30-40 dol AA & v argil (20), clystn incr sty (70), anh-gyp (10)  
 tr halite  
 40-50 clystn AA (90) anh-gyp (10) tr dol AA, incr halite  
 50-60 same  
 60-70 AA, incr anh-gyp (20), incr halite (20)  
 70-80 pred sty clystn AA, halite common  
 80-90 clystn AA (70) anh-gyp (30), halite common  
 90-00 clystn AA (90) anh-gyp (10), halite common  
 1700-10 clystn AA (60) anh-gyp (30) halite (10)  
 10-20 same  
 20-30 clystn AA (20) anh-gyp (20), halite (60)  
 30-40 clystn AA (10) anh-gyp (10), halite (80)  
 40-50 clystn AA (30) anh-gyp (20), halite (50)  
 50-60 clystn AA (40) anh-gyp (10), halite (50)  
 60-70 clystn AA (40) anh-gyp (20), halite (40)  
 70-80 same  
 80-90 clystn AA (30) anh-gyp (10) halite (60)  
 90-00 clystn AA (50) anh-gyp (10), halite (40)  
 1800-10 clystn (70) anh-gyp (10) halite (20)  
 10-20 clystn AA (80) anh-gyp (10) halite (10)  
 20-30 clystn AA (70) anh-gyp (20) halite (10)  
 30-40 clystn AA (85) anh-gyp (10) halite (5)  
 40-50 clystn AA (60) anh-gyp (10) halite (30)  
 50-60 clystn AA (65) anh-gyp (30) halite (5)  
 60-70 NS  
 70-80 clystn AA (10) anh-gyp (20) halite (60), dol lt bn  
 dnse FX (10) & orange (15) anh-gyp (5), tr halite  
 90-00 dol AA (15) clystn AA (30) anh-gyp (20) halite (35)  
 1900-10 tr dol AA, tr clystn, anh-gyp (10), halite (90)  
 10-20 AA, incr clystn (20), anh-gyp (10), halite (70) tr dol AA  
 20-30 same  
 30-40 clystn AA (30), anh-gyp (20, halite (50) tr dol  
 40-50 same  
 50-60 clystn AA (60) anh-gyp (10) halite (30)



1960-70 AA, tr dol  
 70-80 clystn, lt-med R-B, sli sty, occ mic (50), gyp-anh (25),  
 halite (25)  
 80-90 clystn AA (70) gyp-anh (20) halite (10)  
 90-00 AA, tr med-dk bn, dnse, argil dol  
 2000-10 same  
 10-20 clystn AA (80) gyp-anh (20) tr halite  
 20-30 clystn AA (90) gyp-anh (10) tr halite  
 30-40 clystn AA (75) gyp-anh (25)  
 40-50 clystn AA (90) gyp-anh (10)  
 50-60 clystn bcm darker, decr sty (75) wh amorph gyp (25)  
 60-70 same  
 70-80 AA, tr halite  
 80-90 clystn AA (90) gyp AA (10)  
 90-00 clystn AA (80) gyp AA (20)  
 2100-10 clystn AA (75) gyp AA (25)  
 10-20 clystn AA (80) gyp AA (20)  
 20-30 clystn AA (90) gyp AA (10), tr halite, tr lt gy clayey sts  
 30-40 clystn AA (75) gyp AA (25) tr halite, tr lt gy clayey sts  
 40-50 clystn AA (80) gyp AA (20) tr halite  
 50-60 same  
 60-70 clystn (90) gyp AA (10)  
 70-80 AA, tr selenite  
 80-90 same  
 90-00 same  
 2200-10 same  
 10-20 clystn, lighter in color (80) gyp AA (20) tr selenite  
 20-30 clystn (90) gyp (10)  
 30-40 clystn (100), tr gyp, tr selenite  
 40-50 same  
 50-60 AA rare gyp  
 60-70 same  
 70-80 same  
 80-90 same  
 90-00 clystn AA w/occ small incls gy clystn  
 2300-10 same  
 10-20 clystn AA, tr halite  
 20-30 clystn AA (90) gyp wh amorph (10) tr selenite  
 30-40 tr gyp selenite  
 40-50 clystn med-dk R-B occ sli sty, mic, tr tan-gy dnse  
 dolc ls, tr gyp  
 50-60 pred clystn AA & purp sty calc clystn, tr gyp, tr dolc ls  
 60-70 clystn AA, rare purp AA, tr gyp, tr dolc ls  
 70-80 same  
 80-90 AA, incr purp, v calc  
 90-00 same  
 2400-10 same  
 10-20 same  
 20-30 AA, much recirc  
 30-40 same  
 40-50 same  
 50-60 pred dk R-B to purp v calc clystn  
 60-70 same  
 70-80 AA, tr lt gy dnse ls

2480-90 same  
 90-00 same  
 2500-10 AA, tr lt gy ls AA, tr clayey purp FX dnse ls  
 10-20 incr ls (20)  
 20-30 decr ls (tr)  
 30-40 AA, tr cream chert  
 40-50 dk R-B to purp calc clystn AA  
 50-60 same  
 60-70 same  
 70-80 same  
 80-90 same  
 90-00 same  
 2600-10 same  
 10-20 clystn AA incr calc-foss  
 20-30 AA, tr purp v clayey dnse FX ls  
 30-40 AA, tr lt gnish gy clystn  
 40-50 same  
 50-60 much LCM, clystn bcm lighter in color, tr lt gnish gy  
 clystn, gyp common  
 60-70 same  
 70-80 clystn dk R-B to purp  
 80-90 AA, tr lst med-dk gy dnse argil  
 90-00 same  
 2700-10 same  
 10-20 AA, rare pink chert, tr free clear L quartz grains  
 20-30 AA, no vis chert, qtz grains, gyp common (avg?)  
 30-40 same  
 40-50 same  
 50-60 same  
 60-70 same  
 70-80 AA, tr med-gy dnse argil ls  
 80-90 dolc ls, med-dk gy, dnse, argil (60) dk R-B to purp  
 clystn AA (40), tr dnse anh  
 90-00 ls AA & lt gy dnse (30), sh med-dk gy mic, calc (10) clystn  
 AA (60)  
 2800-10 same  
 10-20 poor spl - same?  
 20-30 NR  
 30-40 mostly LCM - same?  
 40-50 mostly LCM - same?  
 50-60 same  
 60-70 poor spl, appears clystn dark R-B to purp, calc w/tr med  
 dk gy ls & gy sh AA  
 70-80 same  
 80-90 same  
 90-00 spl quality better-clystn dark R-B to purp v calc occ  
 mic, tr varic dnse argil ls  
 2900-10 AA, tr wh milk chert  
 10-20 same  
 20-30 same  
 30-40 AA, tr lt gy clayey sts, chert not evident  
 40-50 same  
 50-60 poor spl - same?  
 60-70 same

2970-80 AA, spls improve  
 80-90 same  
 90-00 AA, sli incr med-dk gy argil ls  
 3000-10 clystn AA (50) ls, varic-pred lt-med-dk gy dnse occ sty (50)  
 10-20 AA, ls bcm lighter in color, cleaner  
 20-30 clystn AA (40) ls AA (60) tr dk gy calc, mic sh  
 30-40 clystn AA (20) ls AA (80) tr dk gy sh  
 40-50 clystn AA (60) ls AA (40) calc  
 50-60 clystn AA (80) ls AA (20) calc  
 60-70 clystn AA (30) ls AA (70) calc  
 70-80 clystn (40) ls AA (60) calc  
 80-90 clystn tr, ls wh-lt gy, dnse-rarely FX; tr med gy sty, mic, calc sh  
 90-00 same  
 3100-10 ls AA bcm incr argil (80) sh gy-dk gy sty, mic, v calc (20)  
 10-20 same  
 20-30 ls AA (50) intb w/gy sh AA (20) & clystn R-B to orange sty, v sli calc  
 30-40 ls bcm sty in pt (70), gy sh AA (15) clystn AA (15)  
 40-50 ls (40) gy sh (50) clystn (10)  
 50-60 ls (70) gy sh (20) clystn (10)  
 60-70 ls, lt-med-dk gy-tan-wh, dnse-occ FX, in pt sty, in pt w/unident blk grains, in prt argil (60) sh gy-dk gy, calc, occ mic, pred blk, sm platy, fissile (40), tr pyr  
 70-80 ls AA, somewhat cleaner (90) gy sh AA (10)  
 80-90 ls AA (60), sh AA (40)  
 90-00 ls AA (80) sh AA (20), tr dk R-B to purp calc clystn  
 3200-10 ls AA, occ frac (90) gy sh AA (10)  
 10-20 ls, incr argil (80) gy sh AA (20)  
 20-30 ls cleaner (80) gy sh (20)  
 30-40 same  
 40-50 ls AA (100) sh tr  
 50-60 ls incr argil (70) sh (30)  
 60-70 ls cleaner, incr XLN, rarely foss (80) gy sh AA (20)  
 70-80 ls (80) sh (20) tr pyr  
 80-90 ls (100) sh tr  
 90-00 ls (90) sh (10)  
 3300-10 ls AA (90) gy sh AA (10) occ thin intbds (tr) maroon clystn  
 10-20 same  
 20-30 much LCM, ls in pt darker, incr argil (70) gy sh AA (20) maroon clystn AA (10)  
 30-40 much LCM, ls AA (70) gy sh AA (10), maroon clystn AA (10), lt gy calc sts (10)  
 40-50 ls cleaner (100) tr gy sh, maroon clystn & sts AA  
 50-60 ls incr argil (50) gy sh lighter in color (50) tr maroon clystn, tr pink-orange silic ls  
 60-70 ls in pt v argil (70) sh lt-med gy calc AA (30) tr maroon clystn  
 70-80 ls in pt v argil (50) sh AA (50)  
 80-90 " " " " (40) sh AA (60)  
 90-00 " " " " (30) sh AA (70)

3400-10 " " " " " (50) sh AA (50)  
 10-20 " " " " " (30) sh AA (70)  
 20-30 ls AA (40) sh, gy AA (60) foss common in sh  
 30-40 ls AA (50) sh, gy AA (50) rare foss  
 40-50 ls AA (70) sh, gy AA (30) rare foss  
 50-60 ls AA (60) sh, gy AA (40) rare foss tr pyr  
 60-70 ls AA (20) sh, gy AA (80) tr blk, carb sh  
 70-80 ls AA (50) sh, gy AA (50)  
 80-90 ls AA (60) sh, gy AA (40) tr orange chert, tr bentonite  
 90-00 ls AA (80) sh, gy AA (20) rare orange chert  
 3500-10 ls AA (80) sh, gy AA (20) rare crinoid stem frags  
 10-20 ls incr sty (90) sh, gy (10)  
 3523 circ 15 AA, rare pp & IX poro  
 3523 circ 30 ls AA, sm sty, sdy occ v foss no vis poro, tr orange chert  
 3623-30 ls AA (80) sh AA (20) tr wh-buff FX dol  
 3533 circ 15 poor spl - same?  
 3533 circ 30 poor spl - same?  
 3533 circ 45 ls AA (70) sh gy AA (20) dol wh-buff FX (10) tr poro in dol  
 3533-40 ls AA (30) sh AA (20) dol AA & sm w/imb sd grains (50)  
 40-50 ls AA (10) sh AA (10) dol pred wh FX w/imb sd grains, tr poro  
 tr gn wy sh, few free LG quartz, frosted  
 50-60 same  
 60-70 granite pk w/pink feldspar, qtz, mica; few LG rounded qtz  
 70-80 granite AA  
 80-90 granite AA sm evidence of weathering  
 90-00 same  
 3600-10 same  
 10-20 same

# SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Webb Resources, Inc.

2. Oil WELL ☐ GAS WELL ☐ OTHER ☐ (Specify) \_\_\_\_\_

3. Well Name #6-1 NMAL

Location NE SE Sec. 6-14N-22E (1785' FSL & 1127' FEL)

Sec. 6 Twp. 14N Rge. 22E County Navajo Arizona.

4. Federal, State or Indian Lease Number, or lessor's name if fee lease New Mexico Arizona Land Company

5. Field or Pool Name Wildcat

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:			SUBSEQUENT REPORT OF:		
TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	DIRECTIONAL DRILL	<input type="checkbox"/>	FRACTURE TREATMENT	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	PERFORATE CASING	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>	MONTHLY PROGRESS	<input type="checkbox"/>
(OTHER) _____				REPAIRING WELL	<input type="checkbox"/>
				ALTERING CASING	<input type="checkbox"/>
				ABANDONMENT	<input type="checkbox"/>
				(OTHER) <u>Progress Report</u>	<input checked="" type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

4-10-76 3568' WO test tool. Ran DST #1 (3510-68') misrun

4-11-76 3568' Trip. Ran DST #2 (3497-3568') op 15 min, si 60 min/op 60 min/si 90 min/  
REC: 270' mud, 450' WCM, Sampler: 2100 cc water (no shows) HP: 1994-1994#,  
1st FP: 28-142#, 2nd FP: 157-400#, SIP: 1538-1538#

4-12-76 3625' WO loggers

4-13-76 3625' DTD (LTD: 3631') Plugged and Abandoned. Rig released at 7:00 A.M. 4-13-76

8. I hereby certify that the foregoing is true and correct.

Signed William A. Falconer  
William A. Falconer

Title Chief Geologist Date 4-13-76

Permit No. 658

STATE OF ARIZONA  
OIL & GAS CONSERVATION COMMISSION  
Sundry Notices and Reports On Wells  
File Two Copies  
Form No. 25

# SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Webb Resources, Inc.  
 2. OIL WELL ☐ GAS WELL ☐ OTHER ☐ (Specify) \_\_\_\_\_  
 3. Well Name #6-1 NMAL  
 Location NE SE Sec. 6-14N-22E, (1785' FSL & 1127' FEL)  
 Sec. 6 Twp. 14N Rge. 22E County Navajo Arizona.  
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease New Mexico-Arizona Land Company

5. Field or Pool Name Wildcat

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NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) <u>Weekly Progress Report</u> <input checked="" type="checkbox"/>	ABANDONMENT <input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

3-31-76 2249' Drilling (Ft. Apache) Lost circ. @ 2193')

4-01-76 2381' Tripping

4-02-76 2515' Tripping

4-03-76 2790' Drilling

4-04-76 3017' Drilling

4-05-76 3097' Drilling

4-06-76 3267' Tripping

4-07-76 3336' Drilling

4-08-76 ~~20275~~ Drilling

4-09-76 3568' C circ for DST (DB 3510-35, Chromatograph 1 Unit C-Z, Tr. C-3 samples poor but no shows detected.)

8. I hereby certify that the foregoing is true and correct.

Signature William A. Falconer  
 Title Chief Geologist

Date 4-9-76

Permit No. 658

Form No. 25

STATE OF ARIZONA  
 OIL & GAS CONSERVATION COMMISSION  
 Sundry Notices and Reports On Wells  
 File Two Copies

RECEIVED

APR 12 1976

O & G CONS. COMM.

# SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Webb Resources, Inc.  
 2. Oil Well ☐ GAS Well ☐ OTHER ☐ (Specify) \_\_\_\_\_  
 3. Well Name #6-1 NMAL  
 Location NE SE Sec. 6-14N-22E, (1785' FSL & 1127' FEL)  
 Sec. 6 Twp. 14N Rge. 22E County Navajo Arizona.  
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease New Mexico-Arizona Land Company

5. Field or Pool Name Wildcat

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) <u>Weekly Progress Report</u>	ABANDONMENT <input checked="" type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

3-23-76 Spudded at 9:30 P.M.  
 3-24-76 28' Drilling 9-7/8" surface hole  
 3-25-76 179' Drilling 9-7/8" surface Hole  
 3-26-76 476' Tripping out to run surface casing  
 Ran 15 jts 7" casing (463.21') cemented @ 472' KB w/ 188 sxs reg. Class "B"  
 w/3% cc. Plug down at 12:45 P.M. 3-26-76  
 3-27-76 690' Drilling  
 3-28-76 1140' Trip for bit  
 3-29-76 1680' Drilling  
 3-30-76 2049' Trip for bit

8. I hereby certify that the foregoing is true and correct.

Signed William A. Falconer Title Chief Geologist Date 3-30-76

Permit No. 658

STATE OF ARIZONA  
 OIL & GAS CONSERVATION COMMISSION  
 Sundry Notices and Reports On Wells  
 File Two Copies  
 Form No. 25

# SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Webb Resources, Inc.

2. Oil Well ☐ GAS Well ☐ OTHER ☐ (Specify) \_\_\_\_\_

3. Well Name #6-1 NMAL

Location NE SE Sec. 6-14N-22E (1785' FSL & 1127' FEL)

Sec. 6 Twp. 14N Rge. 22E County Navajo Arizona.

4. Federal, State or Indian Lease Number, or lessor's name if fee lease New Mexico-Arizona Land Company

5. Field or Pool Name Wildcat

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) <u>CORRECTION IN SURVEY</u> <input checked="" type="checkbox"/>	ABANDONMENT <input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please be advised of the following change in Survey on the subject well:

1785' FSL & 1127' FEL

instead of the estimated figures of 2050' FSL & 975' FEL. Please see the attached Survey Plats for exact data.

8. I hereby certify that the foregoing is true and correct.

Signed William A. Falconer  
William A. Falconer

TITLE Chief Geologist Date 3-30-76

Permit No. 658

STATE OF ARIZONA  
OIL & GAS CONSERVATION COMMISSION  
Sundry Notices and Reports On Wells  
File Two Copies  
Form No. 25



# APPLICATION FOR PERMIT TO DRILL OR RE-ENTER

APPLICATION TO DRILL ☒

RE-ENTER OLD WELL ☐

Webb Resources, Inc.

NAME OF COMPANY OR OPERATOR

First of Denver Plaza, 633 17th Street, Suite 2200, Denver, Colorado 80202

Address City State

Drilling Contractor

Webb Drilling Company

Address Same as above

## DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number, or if fee lease, name of lessor	Well number	Elevation (ground)
New Mexico-Arizona Land Company	#6-1	5507'
Nearest distance from proposed location to property or lease line:	Distance from proposed location to nearest drilling, completed or applied-for well on the same lease:	
975 feet	NA feet	
Number of acres in lease:	Number of wells on lease, including this well, completed in or drilling to this reservoir:	
640 acres	1	
If lease, purchased with one or more wells drilled, from whom purchased:	Name	Address
NA		
Well location (give footage from section lines)	Section—township—range or block and survey	Dedication (Comply with Rule 105)
1785' 1127' 2650' FSL 5-975' FEL	6 - T14N -R22E	N/2 SE/4
Field and reservoir (if wildcat, so state)	County	
Wildcat	Navajo	
Distance, in miles, and direction from nearest town or post office		
Proposed depth:	Rotary or cable tools	Approx. date work will start
4500'	Rotary	Upon approval
Bond Status Blanket	Organization Report	Filing Fee of \$25.00
Amount \$25,000	On file X Or attached	Attached X
Remarks:		
Survey Plat will be sent under separate cover,		

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Exploration Manager of the Webb Resources, Inc (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

**TIGHT HOLE**

Signature Orlyn Terry

Date March 19, 1976

Permit Number: 658  
Approval Date: 3-24-1976  
Approved By: W.E. Oee

Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.

STATE OF ARIZONA  
OIL & GAS CONSERVATION COMMISSION  
Application to Drill or Re-enter  
File Two Copies

Form No. 3

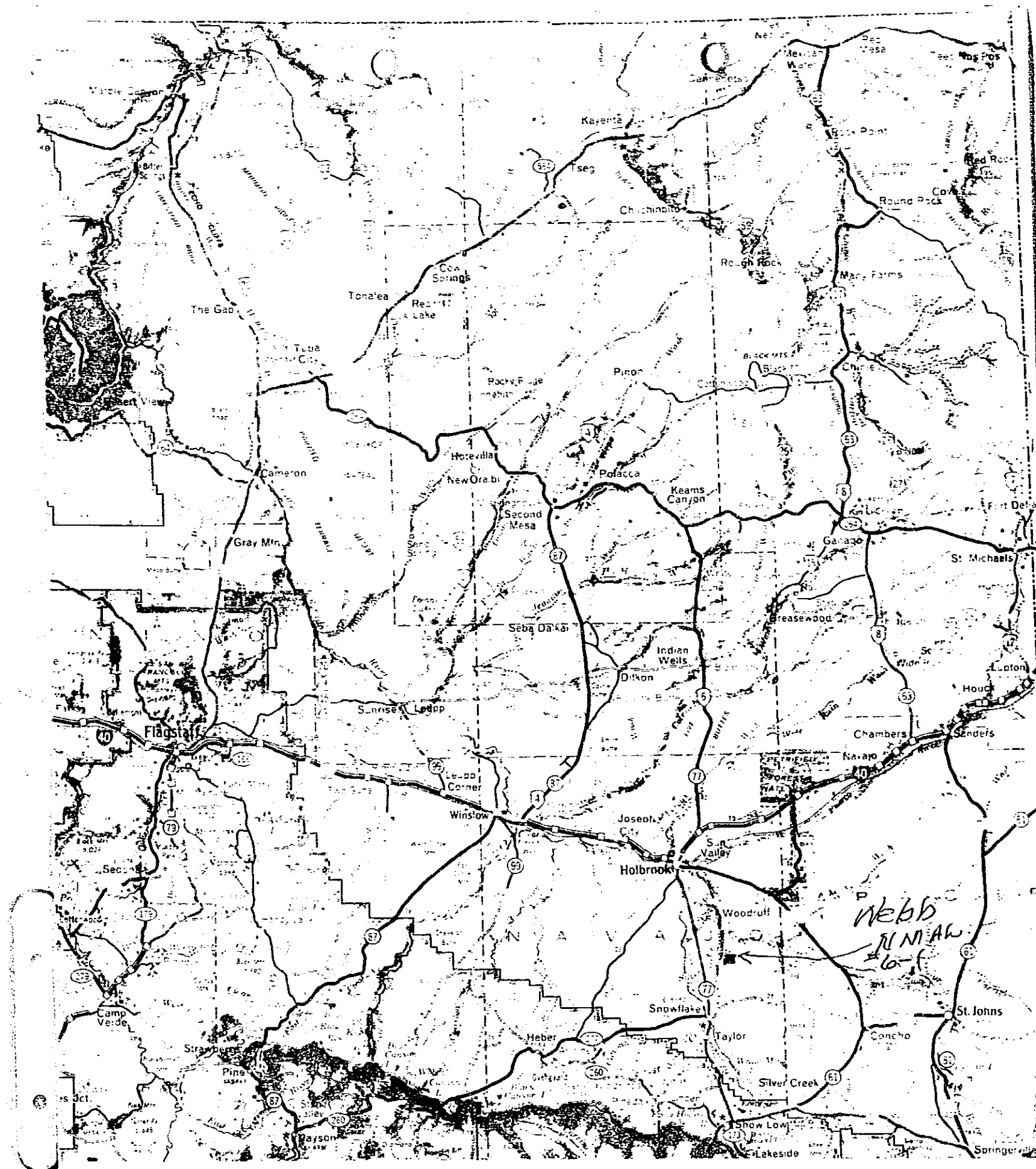
(Complete Reverse Side)

- Operator shall outline the dedicated acreage for both oil and gas wells on the plat.
- A registered professional engineer or land surveyor registered in the State of Arizona or approved by the Commission shall show on the plat the location of the well and certify this information in the space provided.
- All distances shown on the plat must be from the outer boundaries of the Section.
- Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES \_\_\_\_\_ NO \_\_\_\_\_
- If the answer to question four is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES \_\_\_\_\_ NO \_\_\_\_\_. If answer is "yes," Type of Consolidation \_\_\_\_\_
- If the answer to question four is "no," list all the owners and their respective interests below:

Owner	Land Description
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> </div> <div style="width: 50%; padding-left: 10px;"> <p><b>CERTIFICATION</b></p> <p>I hereby certify that the information above is true and complete to the best of my knowledge and belief.</p> <p>Orlyn Terry</p> <p>Name Webb Resources, Inc.</p> <p>Position Exploration Manager</p> <p>Company Webb Resources, Inc.</p> <p>Date March 19, 1976</p> <p>I hereby certify that the well location shown on the plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.</p> <p>Date Surveyed _____</p> <p>Registered Professional Engineer and/or Land Surveyor _____</p> <p>Certificate No. _____</p> </div> </div>	

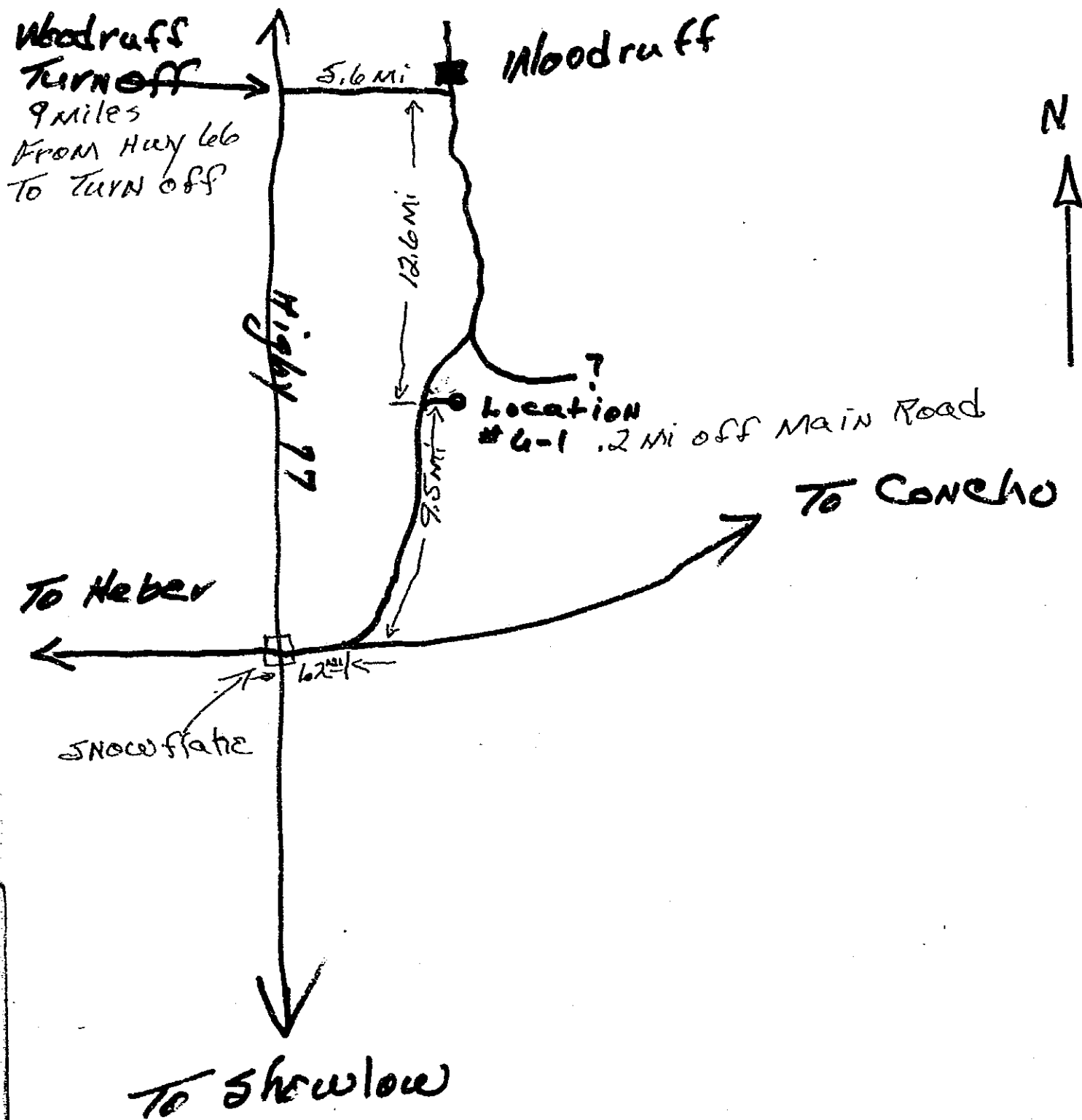
**PROPOSED CASING PROGRAM**

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
13-3/8"	48#	K-55 ST&C 0		100	100' to surf	100
8-5/8"	24#	K-55 ST&C 0		700	700' to surf	700
5-1/2"	15.5#	K-55 ST&C 0		4500	4500' cover pay zones	200



Webb Resources  
NANA #6-1  
# 658

To Holbrook



Webb Resources  
NMAK #6-1  
Permit 658







## PERMIT TO DRILL

This constitutes the permission and authority from the  
OIL AND GAS CONSERVATION COMMISSION,  
STATE OF ARIZONA,

To: WEBB RESOURCES, INC.

(OPERATOR)

to drill a well to be known as

WEBB RESOURCES INC., NEW MEXICO-ARIZONA LAND CO. WELL #6-1

(WELL NAME)

located <sup>1785</sup>~~2050~~<sup>1127</sup> FSL & 975' FEL

Section 6 Township 14N Range 22E, Navajo County, Arizona.

The N/2 SE/4 Sec. 6, T14N, R22E of said  
Section, Township and Range is dedicated to this well.

Said well is to be drilled substantially as outlined in the attached Application and must be drilled  
in full compliance with all applicable laws, statutes, rules and regulations of the State of Arizona.

Issued this 24 day of March, 19 76.

OIL AND GAS CONSERVATION COMMISSION

By W.C. Allen

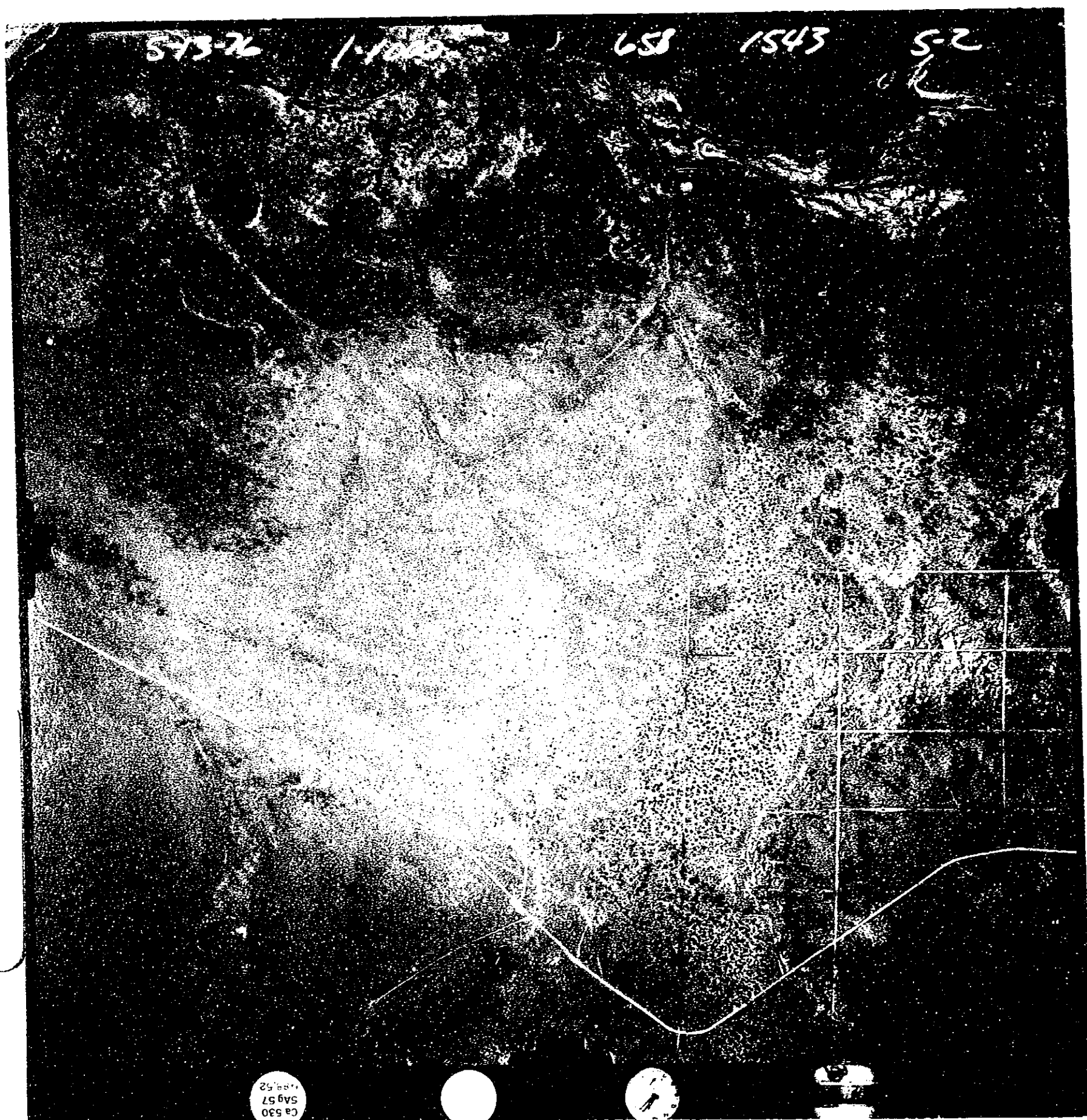
EXECUTIVE SECRETARY

PERMIT Nº 658  
SAMPLES ARE REQUIRED

RECEIPT NO. 0628  
API # 02-017-20015

State of Arizona  
Oil & Gas Conservation Commission  
Permit to Drill

FORM NO. 27





5-13-76 7-1000

658

1543

5-1

12

Ca 530  
SA 57  
1.88.52

MEMO

webb

resources, inc.

633 17th Street - Suite 2200  
Denver, Colorado 80202

TO:	Arizona Oil & Gas Commission 8686 North Central Suite 106 Phoenix, Arizona 85020	ATTN:	Mr. Bill Allen
FROM:	William A. Falconer, Exploration Manager	DATE:	December 2, 1976
SUBJECT:	Seven Well Program - Apache & Navajo Counties Arizona	REF:	

Enclosed for your files on the wells listed below please find copies of the revised Geological Report. This should complete your files. Thank you.

- a) #30-1 NMAL
- b) #25-1 NMAL
- c) #36-1 State
- d) #6-1 NMAL
- e) #8-1 NMAL
- f) #29-1 Rocking Chair Ranch
- g) #30-1 NMAL-Snowflake

RECEIVED

NOV 10 1976

SIGNED

*Wm. A. Falconer*



OFFICE OF  
**Oil and Gas Conservation Commission**

STATE OF ARIZONA  
4515 NORTH 7TH AVE.  
PHOENIX, ARIZONA 85013  
PHONE: (602) 271-5161

October 12, 1976

Petro-Wells Libraries, Inc.  
2665 S. Santa Fe Drive  
Denver, Colorado 80223

Attention: Cheri Burns

Gentlemen:

Enclosed is information on the following wells:

Permit No. 657 - State 36-1  
NE/SE Sec. 36-T19N-R17E  
Comp. Densilog, Acoustilog, Dual Induction, Geological  
Report, Misc. Well Forms, Mud Log

Permit 658 - NMAL-6-1  
NE/SE Sec. 6-T14N-R22E  
Mud Log, Acoustilog, Dual Laterolog, Geological Report,  
Misc. Well Forms


Permit 659 - NMAL-8-1  
SW/NE Sec. 8-T14N-R20E  
Mud Log, Geological Report, Misc. Well Forms

Permit 660 - Rocking Chair Ranch #29-1  
NW/SE Sec. 29-T14N-R20E  
Dual Laterolog, Sonic, Neutron-Formation Density, Mud  
Log, Geological Report, Misc. Well Forms

Permit 662 - Snowflake #30-1  
SW/NW Sec. 30-T14N-R21E  
Sonic, Dual Laterolog, Mud Log, Geological Report, Misc.  
Well Forms

Out of Date Film.

Very truly yours,

  
William E. Allen  
Director  
Enforcement Section

WEA/vb

RECEIVED

OCT 6 1976

O & G CONS. COMM.

**webb resources, inc.**

First of Denver Plaza - Suite 2200 - 633-17th Street - Denver, Colorado 80202 - 303/892-5504

October 5, 1976

Arizona Oil & Gas Commission  
8686 North Central  
Suite 106  
Phoenix, Arizona 85020

Attention: Mr. W. E. Allen

RE: Webb Resources, Inc.

#6-1 NMAL (Permit 658)

#30-1 NMAL Snowflake (Permit 662)

#29-1 Rocking Chair Ranch

(Permit 660)

Dear Mr. Allen:

Enclosed please find the Form #4 (Completion Report) and the Geological Report on the subject wells.

Please accept our apologies for the delay in filing this information in a timely manner; however, due to unavoidable circumstances, we were unable to obtain the Geological Reports before this date.

Yours truly,

WEBB RESOURCES, INC.

*William A. Falconer/smb*

William A. Falconer  
Exploration Manager

WAF:smb  
enclosures



OFFICE OF

**Oil and Gas Conservation Commission**

STATE OF ARIZONA

8686 NORTH CENTRAL, SUITE 106

PHOENIX, ARIZONA 85020

PHONE: (602) 271-5161

October 1, 1976

Mr. William A. Falconer  
Webb Resources, Inc.  
2200 First of Denver Plaza  
633 - 17th Street  
Denver, Colorado 80202

Re: Webb Resources, Inc.  
NMAL #6-1 Permit 658  
Rocking Chair Ranch #29-1 Permit 660  
NMAL Snowflake #30-1 Permit 662

Dear Mr. Falconer:

Rule 119 of the Rules and Regulations, Oil and Gas Conservation Commission, State of Arizona, requires that the operator file Form 4, Completion Report, within 30 days following completion of a well.

This is the fourth request this office has made to you for this report together with the request for the geological report on the above referenced wells. As of this date we have received neither of these requested reports, nor any explanation for the delay in filing this information in a timely manner.

If there is some reason why these reports have not been submitted, please advise. If these reports are available, submit them as quickly as possible.

Enclosed is a supply of Form 4.

Very truly yours,

W. E. Allen  
Director, Enforcement Section

WEA:os  
Encl.

RECEIVED

AUG 20 1976

O & G CONS. COMM.

**webb resources, inc.**

First of Denver Plaza - Suite 2200 - 633-17th Street - Denver, Colorado 80202 - 303/892-6504

August 18, 1976

Mr. Jack Conley  
Oil & Gas Conservation Commission  
State of Arizona  
8686 North Central, Suite 106  
Phoenix, Arizona 85020

*Jack*  
Dear Mr. Conley:

This is to advise that all data on all seven wells drilled by Webb Resources in Arizona is hereby released from confidential status. Also, Warren Carr will be in touch with Dr. Pierce concerning samples on the 30-1 well. Finally, I'd like to have a look at your maps when convenient for you. I'll call you when next in Phoenix.

Very truly yours,

WEBB RESOURCES, INC.

*WAF*  
William A. Falconer  
Chief Geologist

WAF:srl

cc: Mr. Warren Carr  
P. O. Box 32436  
Oklahoma City, OK 74132



OFFICE OF  
**Oil and Gas Conservation Commission**

STATE OF ARIZONA  
8686 NORTH CENTRAL, SUITE 106  
PHOENIX, ARIZONA 85020  
PHONE: (602) 271-5161

August 9, 1976

Mr. William A. Falconer  
Webb Resources, Inc.  
2200 First of Denver Plaza  
633 17th Street  
Denver, Colorado 80202

Re: Webb Resources, Inc:  
NMAL No. 6-1, NE/4 SE/4 Sec. 6, T14N, R22E, Permit No. 658;  
Rocking Chair Ranch No. 29-1, NW/4 SE/4 Sec. 29, T14N,  
R20E, Permit No. 660 and NMAL Snowflake 30-1, SW/4 NW/4  
Sec. 30, T14N, R21E, Permit No. 662.

Dear Mr. Falconer:

Please submit Well Completion or Recompletion Report and Well  
Log (Form 4) and Geological Report on the subject wells.

Also, please advise if you wish to maintain confidential sta-  
tus on the last three wells that were drilled by you in  
Arizona.

Very truly yours,

William E. Allen  
Director  
Enforcement Section

WEA/vb

SECOND REQUEST

SECOND REQUEST

SECOND REQUEST

Office of  
OIL AND GAS CONSERVATION COMMISSION  
8686 North Central Avenue  
Suite 106  
Phoenix, Arizona 85020

REFERENCE: Webb Resources, Inc. NMAL #6-1

Gentlemen:

Please submit the following report(s) as soon as possible:

- ☐ Organization Report
- ☒ Well Completion or Recompletion Report and Well Log
- ☐ Well Status Report and Gas-Oil Ratio Tests
- ☐ Reservoir Pressure Report
- ☐ Operator's Certificate of Compliance and Authorization to Transport Oil or Gas from Lease
- ☐ Application to Abandon and Plug
- ☐ Plugging Record
- ☐ Report of Injection Project
- ☐ Monthly Producers Report
- ☐ Gas Purchasers Monthly Report
- ☐ Producers Report of Gas Production
- ☐ Gasoline Plant or Pressure Maintenance Plant Monthly Report
- ☐ Transporters and Storers Monthly Report
- ☐ Sundry Notices and Reports on Wells
- ☐ Water Well Acceptance
- ☐ Other
- ☒ Geological Report,
- ☒ Formation tops

WILLIAM E. ALLEN  
Director, Enforcement  
Section

6-15-76



Office of  
OIL AND GAS CONSERVATION COMMISSION  
8686 North Central Avenue  
Suite 106  
Phoenix, Arizona 85020

REFERENCE: *NRAB #6-1 Permit - GSE LATE 1975*

Gentlemen:

Please submit the following report(s) as soon as possible:

- ☐ Organization Report
- ☒ Well Completion or Recompletion Report and Well Log
- ☐ Well Status Report and Gas-Oil Ratio Tests
- ☐ Reservoir Pressure Report
- ☐ Operator's Certificate of Compliance and Authorization to Transport Oil or Gas from Lease
- ☐ Application to Abandon and Plug
- ☐ Plugging Record
- ☐ Report of Injection Project
- ☐ Monthly Producers Report
- ☐ Gas Purchasers Monthly Report
- ☐ Producers Report of Gas Production
- ☐ Gasoline Plant or Pressure Maintenance Plant Monthly Report
- ☐ Transporters and Storers Monthly Report
- ☐ Sundry Notices and Reports on Wells
- ☐ Water Well Acceptance
- ☒ Other *Geological Report*  
*Formation Tops*  
*Mud Log*

*W.E. Allen*  
WILLIAM E. ALLEN  
Director, Enforcement  
Section

5-26-76

RECEIVED

MAY 20 1976

O & G COM. COMM.

**webb resources, inc.**

First of Denver Plaza • Suite 2200 • 633-17th Street • Denver, Colorado 80202 • 303/892-5504

May 18, 1976

Arizona Oil and Gas Commission  
8686 North Central Suite 106  
Phoenix, Arizona 85020

Attention: Mr. W. E. Allen  
Director

Dear Mr. Allen:

Enclosed for your approval please find the following data for the wells listed below:

#6-1 NMAL ..... Final Sundry Notice  
Application to Abandon and Plug  
Plugging Record

#8-1 NMAL..... Final Sundry Notice  
Application to Abandon and Plug  
Plugging Record

#29-1 Rocking Chair.... Sundry Notice  
Ranch

Geological Reports and Webb Well Completion Reports will be filed under separate cover.

Yours truly,

WEBB RESOURCES, INC.

*Sandee Borton*

Sandee Borton  
Geological Secretary

Webb Resources has completed and plugged its fourth and fifth tests. These wells were the NMAL #6-1 in the NE/SE/4, Section 6, T14N,R22E, Navajo County and the NMAL #8-1 SW/NE/4, Section 8, T14N,R20E, Navajo County. At a total depth of 3608', the drillpipe became stuck. After, repeated efforts to free the stuck drillpipe had failed, the operators backed off the free portion of the drillpipe and started washover operations. When the washover pipe twisted off there was nothing left to do except plug the hole - which they did. The geologist on this well was fairly sure that granite was topped at 3602'.

Webb has been issued a permit to drill the Rocking Chair Ranch #29-1 in the NW/SE/4, Section 29, T14N,R20E, Navajo County. This test was spudded May 7, 1976.

WA

**webb resources, inc.**

First of Denver Plaza • Suite 2200 • 633-17th Street • Denver, Colorado 80202 • 303/892-5504

May 6, 1976

Arizona Oil and Gas Commission  
8686 North Central Avenue  
Suite 106  
Phoenix, Arizona 85020

Attention: W. E. Allen, Director  
Enforcement Section

Dear Mr. Allen:

By this letter Webb Resources, Inc. wishes to discontinue the TIGHT HOLE STATUS on the following wells:

#30-1 NMAL  
NW SE Sec. 30-15N-25E  
Apache County, Arizona

#25-1 NMAL  
NE SE Sec. 25-20N-15E  
Navajo County, Arizona

#36-1 State  
NE SE Sec. 36-19N-17E  
Navajo County, Arizona

#6-1 NMAL  
NE SE Sec. 6-14N-22E  
Navajo County, Arizona

Yours truly,

WEBB RESOURCES, INC.

*William A. Falconer*  
William A. Falconer  
Chief Geologist

WAF:smb

RECEIVED

MAY 10 1976

O & G CONS. COMM.

WA  
**webb resources, inc.**

First of Denver Plaza - Suite 2200 - 633-17th Street - Denver, Colorado 80202 - 303/892-5504

April 19, 1976

Mr. W. E. Allen, Director  
Enflorcement Section  
Oil & Gas Conservation Commission  
State of Arizona  
4515 North 7th Ave.  
Phoenix, Arizona 85013

Dear Mr. Allen:

This letter is to request an additional six(6) months  
confidentiality period on the following wells drilled by Webb  
Resources, Inc. in Navajo and Apache Counties:

(1) #30-1 NMAL	NW SE 30-15N-25E	TD: 4032'
(2) #25-1 NMAL	NE SE 25-20N-15E	TD: 3797'
(3) #36-1 State	NE SE 36-19N-17E	TD: 3806'
(4) #6-1 NMAL	NE SE 6-14N-22E	TD: 3631'
(5) #8-1 NMAL	SW NE 8-14N-20E	(drilling)

Thank you for your cooperation.

Very truly yours,

WEBB RESOURCES, INC.

*W.A. Falconer*  
William A. Falconer  
Chief Geologist

WAF:srl

RECEIVED

APR 22 1976

O & G CONS. COMM.

April 20, 1974

Mr. William A. Felton  
Weiss Associates, Inc.  
First of Denver Plaza  
633 17th Street, Suite 2200  
Denver, CO 80202

Re: Earth Samples  
NOL 44-1  
Permit #453

Dear Mr. Felton:

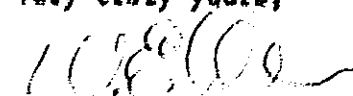
Monaco Engineering Company has sent samples on the above referenced well. The samples that we have received on this well cover only the interval from 2480' to 3620'. We require samples from ground level to total depth.

Please arrange to have the missing samples sent to this Commission.

Monaco also shipped these samples collect. It would be appreciated that if in the future you arrange to have our samples sent postage paid.

Your cooperation in this matter would be greatly appreciated.

Very truly yours,

  
W. E. Allen, Director  
Enforcement Section

WEA/al



OFFICE OF

**Oil and Gas Conservation Commission**

STATE OF ARIZONA

4515 NORTH 7TH AVE.

PHOENIX, ARIZONA 85013

PHONE: (602) 271-5161

1001 CENTRAL, S. H. 166

PHOENIX, ARIZONA 85020

April 9, 1976

Mr. Jim Webster  
Photogrammetry & Mapping Services  
Highway Division  
Department of Transportation  
1739 W. Jackson, Room 61  
Phoenix, AZ 85007

RE: Spud Dates

Dear Mr. Webster:

This is to notify you of the following spud dates:

St. Joe American Exploration Corporation Well No. 7, SW/SW  
Sec 16, T18N, R25E, Apache County was spud on 5-31-75.

Webb Resources, Inc., New Mexico-Arizona Land Company Well #6-1,  
NE/SE, Sec. T14N, R22E, Navajo County was spud 3-23-76.

Webb Resources, Inc., State #36-1, NE/SE, Sec 36, T19N, R17E, Navajo  
County was spud 3-5-76.

Very truly yours,

Saralee Lorenzo (Mrs.)  
Secretary

sl

March 24, 1976

Mr. Orlyn Terry  
Webb Resources, Inc.  
First of Denver Plaza  
Suite 220  
633 17th Street  
Denver, CO 80202

Dear Mr. Terry:

Please find enclosed your approved Application to Drill, your permit and a copy of your receipt for the \$25.00 filing fee. Also enclosed is the necessary forms to keep us advised of your progress.

If we can be of further service, please let us know.

Very truly yours,

Saralee Lorenzo (Mrs)  
Secretary

Encls.



MEMO

**webb**

**resources, inc.**

1776 LINCOLN STREET  
DENVER, COLORADO 80203

<b>TO:</b> Arizona Oil & Gas Commission 8686 North Central, Suite 106 Phoenix, Arizona 85020	<b>ATTN:</b>  Mr. Allen
<b>FROM:</b> Orlyn Terry, Exploration Manager	<b>DATE:</b> March 19, 1976
<b>SUBJECT:</b> #6-1 NMAL NE SE Sec. 6-14N-22E Navajo County, Arizona	<b>REF:</b>

Enclosed for your approval on the subject well please find the following:

1. Permit to Drill
2. Well Permit Fee: \$25.00

The Survey Plats will be forwarded to your office under separate cover. Thank you for your kind consideration in this regard.

OLT:smb  
enclosures

RECEIVED

MAR 24 1976

O & G CONS. COMM.

SIGNED

*Orlyn Terry*

PAYEE: DETACH THIS STATEMENT BEFORE DEPOSITING CHECK

Webb Resources, Inc.

DATE	INVOICE NO.	DESCRIPTION	AMOUNT	DISCOUNT OR DEDUCTION	NET AMOUNT
3-22-76		Vo. #3-174-76  Well Permit Fee #6-1 NMAL Navajo County, Arizona X-705-13	\$25.00		\$25.00



OFFICE OF

**Oil and Gas Conservation Commission**

STATE OF ARIZONA

~~XXXXXXXXXXXXXX~~  
PHOENIX, ARIZONA 85003

PHONE: (602) 271-5161

8686 N Central  
Suite 106, 85020

March 24, 1976

Mrs. Jo Ratcliff  
Four Corners Sample Cut Association  
P. O. Box 599  
Farmington, New Mexico 87401

Dear Mrs. Ratcliffe:

The following permit was issued today:

Webb Resources, Inc. Well #6-1  
1785' 2050' FSL & 975' FEL  
Sec 6, T14N, R22E  
Navajo County  
Permit #658

Very truly yours,

Saralee Lorenzo (Mrs.)  
Secretary

sl

658